

CLAIMS

We claim:

1. A gastric pouch, comprising:
a main lumen having an exterior surface and an interior surface; and
a pouch lumen having a proximal end and a distal end formed from an internally approximated portion of the interior surface such that the pouch lumen defines a volume separate from and in communication with, the main lumen.
2. The gastric pouch of claim 1 further comprising a plurality of fasteners attached to a junction defined by the pouch lumen and the main lumen.
3. The gastric pouch of claim 2 wherein the fasteners comprise biocompatible mechanical fasteners selected from the group consisting of staples, tags, clips, sutures, screws, and adhesives.
4. The gastric pouch of claim 1 wherein the pouch lumen is defined via a longitudinal partition.
5. The gastric pouch of claim 1 wherein the pouch lumen is tapered such that the distal end is larger than the proximal end.
6. The gastric pouch of claim 1 wherein the pouch lumen is tapered such that the proximal end is larger than the distal end.
7. The gastric pouch of claim 1 wherein the pouch lumen volume is less than a volume defined by the main lumen.
8. The gastric pouch of claim 1 wherein the pouch lumen volume and a main lumen volume are unequal.
9. The gastric pouch of claim 1 wherein the pouch lumen is coaxially positioned within the main lumen.

10. The gastric pouch of claim 1 wherein the pouch lumen is adjacent to the main lumen.

11. The gastric pouch of claim 1 wherein the pouch lumen is in communication with an esophagus.

12. The gastric pouch of claim 1 wherein the approximated portion of the interior surface includes at least a portion of exterior surface.

13. The gastric pouch of claim 1 wherein the approximated portion of the interior surface includes at least a portion of an interior lining.

14. The gastric pouch of claim 1 wherein the approximated portion of the interior surface includes at least two layers of gastric tissue.

15. A gastric pouch within a hollow body organ, the pouch comprising:
a pouch lumen having a proximal end and a distal end and an interior
tissue surface, said pouch further formed by approximating the interior tissue
surface from within the hollow body organ,
wherein the pouch lumen defines a volume separate from and in
communication with a main volume of the hollow body organ.

16. The gastric pouch of claim 15 wherein the pouch lumen is in
communication with an esophagus.

17. The gastric pouch of claim 15 further comprising a plurality of
fasteners attached to the interior tissue surface defining the pouch lumen.

18. The gastric pouch of claim 17 wherein the fasteners comprise
biocompatible mechanical fasteners selected from the group consisting of staples,
tags, clips, sutures, screws, and adhesives.

19. The gastric pouch of claim 15 wherein the pouch lumen is defined via
a longitudinal partition.

20. The gastric pouch of claim 15 wherein the pouch lumen is tapered
such that the distal end is larger than the proximal end.

21. The gastric pouch of claim 15 wherein the pouch lumen is tapered
such that the proximal end is larger than the distal end.

22. The gastric pouch of claim 15 wherein the pouch lumen volume is less
than the main lumen volume.

23. The gastric pouch of claim 15 wherein the pouch lumen volume and
the main lumen volume are unequal.

24. The gastric pouch of claim 15 wherein the pouch lumen is coaxially positioned within the hollow body organ.
25. The gastric pouch of claim 15 wherein the pouch lumen is adjacent to the hollow body organ volume.
26. The gastric pouch of claim 15 wherein the approximated interior tissue surface includes at least two layers of gastric tissue.

27. A gastric pouch within a stomach, the pouch comprising:
a pouch lumen having a proximal end and a distal end and an interior tissue surface, the pouch being formed by approximating the interior tissue surface trans-esophageally,
wherein the pouch lumen defines a volume separate from and in communication with a main volume of the stomach.
28. The gastric pouch of claim 27 wherein the pouch lumen is in communication with an esophagus.
29. The gastric pouch of claim 27 wherein the pouch lumen is formed using an endoscope.
30. The gastric pouch of claim 27 wherein the pouch lumen is defined via a longitudinal partition.
31. The gastric pouch of claim 27 wherein the pouch lumen is tapered such that the distal end is larger than the proximal end.
32. The gastric pouch of claim 27 wherein the pouch lumen is tapered such that the proximal end is larger than the distal end.
33. The gastric pouch of claim 27 wherein the pouch lumen volume is less than the main lumen volume.
34. The gastric pouch of claim 27 wherein the pouch lumen volume and the main lumen volume are unequal.
35. The gastric pouch of claim 27 wherein the pouch lumen is coaxially positioned within the stomach.
36. The gastric pouch of claim 27 wherein the pouch lumen is adjacent to the stomach volume.

37. The gastric pouch of claim 27 wherein the approximated interior tissue surface includes at least two layers of gastric tissue.

38. A gastric pouch, comprising:

a main lumen having an interior surface having defined portions; and

a pouch lumen having a proximal end and a distal end formed from approximating and fastening at least three portions of the interior surface such that the pouch lumen defines a volume separate from and in communication with the main lumen.

39. The gastric pouch of claim 38 further comprising a fourth portion.

40. The gastric pouch of claim 38 wherein the approximated portions further include at least a portion of exterior surface.

41. The gastric pouch of claim 38 further comprising a plurality of fasteners attached to a junction defined by the pouch lumen and the main lumen.

42. The gastric pouch of claim 41 wherein the fasteners comprise biocompatible mechanical fasteners selected from the group consisting of staples, tags, clips, sutures, screws, and adhesives.

43. The gastric pouch of claim 38 wherein the pouch lumen is defined via a longitudinal partition.

44. The gastric pouch of claim 38 wherein the pouch lumen is tapered such that the distal end is larger than the proximal end.

45. The gastric pouch of claim 38 wherein the pouch lumen is tapered such that the proximal end is larger than the distal end.

46. The gastric pouch of claim 38 wherein the pouch lumen volume is less than a volume defined by the main lumen.

47. The gastric pouch of claim 38 wherein the pouch lumen volume and a main lumen volume are unequal.

48. The gastric pouch of claim 38 wherein the pouch lumen is coaxially positioned within the main lumen.
49. The gastric pouch of claim 38 wherein the pouch lumen is adjacent to the main lumen.
50. The gastric pouch of claim 38 wherein the pouch lumen is in communication with an esophagus.
51. The gastric pouch of claim 38 wherein the approximated portions of the interior surface includes at least a portion of an interior lining.
52. The gastric pouch of claim 38 wherein the approximated portions of the interior surface includes at least two layers of gastric tissue.